CLAIMS

1. A method for processing information output by a primary flight equipment mounted on board an aircraft, in a form sampled at a first rate with a view to being delivered after processing, to a flight conduct system of the aircraft, in a form sampled at a second rate lower than the first rate, wherein the samples of information output by an item of primary flight equipment are submitted to an anti-noise digital filtering carried out at the first sampling rate.

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2. The method as claimed in claim 1, wherein the anti-noise digital filtering is an anti-aliasing filtering disabling the frequency components higher than half the second sampling rate.

3. The method as claimed in claim 1, wherein the anti-noise digital filtering is an anti-aliasing filtering disabling the frequency components lower than half the first sampling rate.

- 4. The method as claimed in claim 1, wherein the anti-noise digital filtering is an anti-aliasing filtering disabling the frequency components higher than half the second sampling rate and those of frequency lower than half the first sampling rate.
- 5. The method as claimed in claim 1, wherein the anti-noise digital filtering is a first-order low-pass filtering.
 - 6. The method as claimed in claim 1, wherein the anti-noise digital filtering is a second-order low-pass filtering.
 - 7. The method as claimed in claim 1, wherein the anti-noise digital filtering is a low-pass filtering of Butterworth type.
 - 8. The method as claimed in claim 1, wherein the anti-noise digital filtering is a bandstop filtering of Butterworth type.

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- 9. The method as claimed in claim 1, wherein, when the processed information originating from a primary flight equipment is affected by noise exhibiting energy spikes, the anti-noise digital filtering is a filtering with stopbands corresponding to the energy spikes of the noise.
- 10. The method as claimed in claim 1, wherein the anti-noise digital filtering is a filtering with sliding average operating on several samples.

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- 11. The method as claimed in claim 1, wherein the anti-noise digital filtering implements a transfer function dependent on the flight configuration of the aircraft.
 - 12. A device with redundant architecture with two parallel lines for the processing of signals from primary flight equipments mounted on board an aircraft, said signals being available at a first rate, in a sampled form and as several versions and intended to be delivered after processing, still as several versions, to a flight conduct system of the aircraft, in a form sampled at a second rate lower than the first rate, wherein it comprises, at the head of each line, following a multiple buffer memory, a multiple anti-noise digital filter filtering in parallel the various available versions of signals from primary flight equipments and operating, like the multiple buffer memory at the first sampling rate.
 - 13. The device as claimed in claim 12, wherein the multiple antinoise digital filter is an anti-aliasing filter disabling the frequency components higher than half the second sampling rate.
 - 14. The device as claimed in claim 12, wherein the multiple antinoise digital filter is an anti-aliasing filter disabling the frequency components lower than half the first sampling rate.
 - 15. The device as claimed in claim 12, wherein the multiple antinoise digital filter is an anti-aliasing filter disabling the frequency components higher than half the second sampling rate and those of frequency lower than half the first sampling rate.

- 16. The device as claimed in claim 12, wherein the multiple antinoise digital filter is a first-order low-pass filter.
- 17. The device as claimed in claim 12, wherein the multiple antinoise digital filter is a second-order low-pass filter.
- 18. The device as claimed in claim 12, wherein the multiple antinoise digital filter is a low-pass filter of Butterworth type.
- 19. The device as claimed in claim 12, wherein the multiple antinoise digital filter is a bandstop filter of Butterworth type.
- 20. The device as claimed in claim 12, wherein, when the processed information output by a primary flight equipment is affected by noise exhibiting energy spikes, the multiple anti-noise digital filter is a filter with stopbands corresponding to the energy spikes of the noise.
- 21. The device as claimed in claim 12, wherein the multiple antinoise digital filter is a filter with sliding average operating on several samples.
 - 22. The device as claimed in claim 12, wherein the multiple antinoise digital filter has a transfer function dependent on the flight configuration of the aircraft.

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